Rowley Regis Urban District Council,

STAFFORDSHIRE.

ANNUAL REPORT

For the Year 1902,

OF THE

MEDICAL OFFICER OF HEALTH,

Including a Report on the Administration of the Factory and Workshop Act, 1901, in this district,

WITH

Schedules of Work done in the Departments

OF THE

SURVEYOR.

AND THE

SANITARY INSPECTOR.

BLACK HEATH:
PARKES BROS., PRINTERS, 12, HIGH STREET,
AND AT HALESOWEN.

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TABLE I.

Shewing the BIRTHS, DEATHS, and Rate of Mortality, in the Year 1902.

Births.	Deaths.	Birth Rate.	Annual Death Rate per 1,000 from					Per-centage of Deaths under One Year to Births Regist'd.	Percentage of Total Deaths to Deaths.					
			All Causes.	Principal Zymotic Causes.	Phthisis.	Lungs.	Hearts.		Of Infants under One Year of Age.	Of Persons over 65 Years of Age.	From the Notified Zymotic Diseases.	From Phthisis.	From Lungs.	From Heart
1307	516	36·92	14·57	·65	·45	2·45	·9	12·85	32·56	19·38	4·45	3·1	16·86	6.2

Deaths in district, 493. Deaths of Residents outside district, 23.

TABLE II.

Shewing the BIRTHS and DEATHS from all causes and from certain special causes in each Quarter of 1902.

Quarter ending.	Births.	Deaths from all causes.	DEATHS FROM			
			Notified Zymotic Diseases.	Phthisis.	Diseases of Lungs.	Heart Diseases.
March 31st	345	125	5	3	29	10
June 30th	300	124	8	6	19	8
September 30th... ...	305	104	4	2	13	9
December 31st	357	163	6	5	26	5
Total	1,307	516	23	16	87	32

TABLE III.

Shewing the Rate of Mortality in the district in each Quarter of 1902.

Quarter ending.	Death Rate per 1,000 per annum from all causes.	Percentage per Annum, total Deaths of Deaths.		
		Of Infants under One Year of Age.	Of Persons over 65 Years of Age.	Notified Zymotic Diseases.
March 31st ...	3·53	7·75	4·84	·97
June 30th	3·5	7·17	5·42	1·55
September 30th... ..	2·94	6·6	3·5	·78
December 31st	4·6	11·04	5·62	1·15
Total	14·57	32·56	19·38	4·45

TABLE IV.

Shewing the number of DEATHS at two Groups of Ages from the Notified Zymotic Diseases in each Quarter of 1902.

Quarter ending	The Notified Zymotic Diseases.		Small Pox.		Scarlet Fever.		Diphtheria & Membraneous Croup.		Puerperal Fever.		Typhoid Fever.		Cholera.		Erysipelas.	
	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5
March 31st ...	3	2	0	0	2	0	0	0	0	0	0	2	0	0	1	0
June 30th ...	4	4	0	0	1	0	3	1	0	1	0	2	0	0	0	0
September 30th	2	2	0	0	1	0	1	0	0	1	0	0	0	0	0	1
December 31st...	2	4	0	0	2	1	0	1	0	1	0	0	0	0	0	1
Total ...	11	12	0	0	6	1	4	2	0	3	0	4	0	0	1	2

TABLE V.

Supplementary Table shewing DEATHS at Two Groups of Ages from other Zymotic Diseases not included in Table IV.

Quarter ending	Measles.		Whooping Cough		Diarrhœa		Influenza.	
	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5	Under 5	Over 5
March 31st	2	0	0	0	1	0	0	0
June 31st	0	0	0	0	0	0	0	1
September 30th... ...	16	1	1	0	1	0	0	0
December 31st	2	0	1	0	3	1	0	1
Total	20	1	2	0	5	1	0	2

Vital Statistics of Whole Distrct during 1902 and previous years.

TABLE I.

District of Rowley Regis,

Total Deaths Registered in the District.

Year.	Population estimated to Middle of each Year.	Births.		Under 1 Year of Age		At all Ages. Total.		Total Deaths in Public Institutions. in the District	Deaths of Non residents registered in Public Instit's. in the District	Deaths of Residents registered Public Instit's. beyond District	Nett Deaths at all Ages.	
		Number	Rate*	Number.	Rate per 1000 Births registered.	Number.	Rate*				Number.	Rate*
1	2	3	4	5	6	7	8	9	10	11	12	13
1892	31400	1242	39·6	224	180·3	568	18·08	24	0	24	592	18·8
1893	32100	1242	38·7	215	173·1	595	18·53	18	0	18	613	19 09
1894	32700	1153	35·2	196	169·5	510	15·6	5	0	5	515	15·7
1895	33300	1252	37·6	243	194·08	622	18·7	11	0	11	633	19
1896	33800	1216	36·	222	182·5	622	18·4	14	0	14	636	18·8
1897	34500	1304	37·8	237	181·7	598	17·3	11	0	11	609	17·6
1898	35200	1336	37·9	227	169·9	650	18·46	18	0	18	668	18·9
1899	36000	1374	38·17	243	176 8	596	16·55	27	0	22	618	17·1
1900	36760	1402	38·1	252	179·7	653	17·76	19	0	15	668	18·17
1901	34835	1313	37·69	230	175·1	602	17·28	0	0	16	618	17·7
Averages for years, 1902-1901.	34059	1283	37 67	228	178·26	601	17·66	14	0	15	617	18·08
1902	35400	1307	36·92	168	128·54	493	13·9	0	0	23	516	14·57

*Rates in Columns 4, 8, & 13, calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the subtraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-residents" is meant persons brought into the district on account of Sickness or Infirmity, and dying in Public Institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of Sickness, or Infirmity, and have died in Public Institutions elsewhere.

The "Public institutions" to be taken into account for the purposes of these Tables are those into which persons are habitually received on account of Sickness or infirmity, such as hospitals, workhouses and lunatic asylums. A list of the Institutions in respect of the deaths in which corrections have been made should be given on the back of this Table.

Area of District in acres (exclusive of area covered by water)—3670.

Total population at all ages—34670.
Number of inhabited houses—6962.
Average number of persons per house—5.
} At Census of 1901.

Vital Statistics of separate localities in 1902 and previous years.

TABLE II.

Name of District—**Rowley Regis.**

Names of Localities.	TIVIDALE.				ROWLEY REGIS.				BLACK HEATH.				OLD HILL.				CRADLEY HEATH.			
Year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 Year.	Population estimated to middle of each year.	Births registered.	Deaths at all Ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births registered.	Deaths at all ages.	Deaths under 1 year.
	a.	*b.*	*c.*	*d.*	*a.*	*b.*	*c.*	*d.*	*a.*	*b.*	*c.*	*d.*	*a.*	*b.*	*c.*	*d.*	*a.*	*b.*	*c.*	*d.*
1892 -	2670	101	50	26	5095	170	39	19	5983	245	139	56	9318	436	185	75	8334	290	135	48
1893 -	2714	103	64	27	5197	177	85	29	6158	286	106	42	9537	378	169	67	8494	298	171	50
1894 -	2751	99	46	20	5285	176	70	22	6308	232	122	57	9724	364	136	45	8632	282	136	52
1895 -	2788	113	55	29	5373	176	75	24	6458	286	134	57	9911	425	208	75	8770	252	150	58
1896 -	2819	104	103	27	5446	165	55	35	6583	276	155	62	10067	402	171	65	8885	269	138	33
1897 -	2863	103	54	21	5548	166	95	38	6758	332	127	60	10286	419	188	65	9045	284	134	53
1898 -	2907	99	63	21	5650	186	90	34	6933	313	150	54	10505	475	209	76	9205	263	138	42
1899 -	2957	112	56	25	5766	162	79	27	7133	343	115	54	10755	448	205	83	9389	309	141	54
1900 -	3005	101	55	21	5842	176	113	45	7350	346	123	52	11013	504	233	83	9550	275	144	48
1901 -	2809	101	42	19	5342	216	103	37	6596	254	145	61	10851	436	201	64	9237	306	127	49
Average of years 1892 to 1901	2828	103	58	23	5454	177	80	31	6626	291	131	55	10.96	428	190	69	8954	282	141	48
1902 -	2850	88	32	8	5426	182	66	17	6730	294	113	45	11063	474	173	59	9331	269	132	39

TABLE III.

District of Rowley Regis,

Cases of Infectious Diseases notified during the Year 1902.

Notifiable Disease.	Cases notified in whole district.							Total cases notified in each locality.					No casesremoved to Hospital from each locality.				
	At all Ages.	At Ages—Years.						Tividale	Rowley Regis	Black Heath	Old Hill	Cradley Heath	Tividale	Rowley Regis	Black Heath	Old Hill	Cradley Heath
		Under 1.	1—5.	5—15.	15—25.	25—65.	65 and upwards.										
Small Pox - -	0	0	0	0	0	0	0	0	0	0	0	0					
Diphtheria - -	18	1	7	9	1			2	5	2	2	7					
Membranous Croup -	7	0	6	1				1	1	2	0	3					
Erysipelas - -	62	5	3	4	8	34	8	2	8	15	23	14					
Scarlet Fever -	173	2	83	77	10	1		33	22	39	55	24					
Enteric Fever -	18			7	5	6		4	2	3	6	3					1
Puerperal Fever -	7				3	4			1	2	2	2					
Totals -	285	8	99	98	27	45	8	42	39	63	88	53					1

Isolation Hospital—Tividale.

TABLE IV.

Rowley Regis District.

Causes of, and Ages at, Death during the Year 1902.

Causes of Death.	Deaths in the whole District at subjoined ages.							Deaths in Localities at all ages.					Deaths in Public Institutions.
	All ages	Under 1	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards.	Tividale.	Rowley Regis.	Black Heath.	Old Hill.	Cradley Heath.	
Small Pox													
Measles	21	4	16	1				2	2	11	6		
Scarlet Fever ...	7		6	1				2		1	3	1	
Whooping Cough ...	2	1	1						2			0	
Diphtheria and									1			5	
Membranous Croup	6		4	2									
Croup	1		1									1	
Fever: Typhus ...													
Fever: Enteric ...	4			2	1	1		1		2	1		
Fever: Other cont'd													
Epidemic Influenza ..	2					2					1	1	
Diarrhœa	6	2	3			1		1	1	2	2		
Enteritis	22	16	3			2	1	1	2	4	4	11	
Puerperal Fever ...	3				1	2					2	1	1
Erysipelas	3	1				2				1	2		
Other septic diseases	1				1					1			
Phthisis	16			1	2	12	1		1	2	5	8	
Other tubercular diseases	5	3	1			1			2		1	2	
Cancer, malignant disease	13				2	7	4	1	1		6	5	
Bronchitis	63	17	9	3		15	19	3	8	11	30	11	2
Pneumonia	23	4	7	3	4	4	1	1	7	6	2	7	
Other diseases of Respiratory Organs	1			1								1	1
Alcoholism													
Cirrhosis of Liver	12					11	1	1	5	2	1	3	1
Venereal diseases ...	2	1	1					1		1			
Premature Birth ...	46	46						1	7	11	18	9	
Diseases and accidents of parturition .	4				3	1				2		2	
Heart Diseases ...	32	2			2	21	7	3	2	5	14	8	3
Accidents	21	2	2	1	5	10	1	3	5	4	6	3	5
Suicides	2					2					1	1	
All other causes ...	198	69	24	5	2	33	65	11	20	47	68	52	10
All causes ...	516	168	78	20	23	127	100	32	66	113	173	132	23

NOTE.

Staffordshire County Council.

TABLES I. to IV.

CORRESPOND to TABLES I. to IV.

LOCAL GOVERNMENT BOARD.

ROWLEY REGIS URBAN DISTRICT COUNCIL,

STAFFORDSHIRE.

Annual Report of the Medical Officer of Health,

For the year ending December 31st, 1902.

Mr. Chairman and Gentlemen,

This Report, like its predecessors, will contain statistics of the Births, Deaths, Rates of Mortality from general and special causes, cases of Infectious Diseases notified and an epitome of the Sanitary work for last year. It will also contain a Report of the statistics of the population estimated to the middle of each year, Births registered, Deaths at all ages, and Deaths under one year for the whole of the district and for each Ward separately for the ten years ending 1901.

AN ESTIMATED POPULATION TO THE MIDDLE OF 1902.

The estimated population is obtained in the following manner, viz: by deducting the deaths—from July 1st, 1901, to June 30th, 1902, (512)—from the births for the same period (1283), and again deducting 206 as wastage from migration and other uncertified causes. The discrepancy on the estimated population obtained solely on the difference between the deaths and births registered in each year for the ten years ending December 31st, 1900, was found by the census of 1901 to be about two hundred per annum. Taking that number as the nearest approximate I can get, I have estimated the population to the middle of 1902 as thirty-five thousand four hundred.

An extra clause in this report will relate to the Administration of the Factory and Workshop Act, 1901, in this division.

The tables will be the same as in previous years, viz: three sets. The first series I. to V. are condensed statements of my own arrangement, and deal with deaths within the district and with deaths of residents known to have died outside the district. No II., in addition to the Deaths, shows the number of Births registered within the district, whilst Nos. IV. and V. deal exclusively with deaths from zymotic diseases.

The second series I to IV. are those demanded by the Local Government Board. The third series I. to V. are those demanded by the Staffordshire County Council. The first four of these correspond exactly with those issued by the Local Government Board (and consequently are not re-produced). The fifth of the series refers to the work of the Sanitary Inspector and will be found annexed to this report.

SANITARY URBAN DISTRICT OF ROWLEY REGIS.

Name of Wards.	Area in Acres.	Inhabit'd Houses.	Void Houses.	Population.	
				Census 1901	Estimat'd to middle of 1902
Tividale ...	984	593	23	2796	2850
Rowley Regis ...	1347	1043	13	5317	5426
Black Heath ...	188	1339	3	6565	6730
Old Hill ...	599	2229	8	10799	11063
Cradley Heath	552	1911	12	9193	9331
Total ...	3670	7115	59	34670	35400

There is an increase of one hundred and fifty-three inhabited houses over last year's returns.

Building operations are still going on all over the district but especially so at Tividale.

Average number of persons per house—

Tividale	4·8
Rowley Regis	5·2
Black Heath	5·02
Old Hill	4·96
Cradley Heath ...	4·86
Average for whole district	4·97

Physical features and general character of the district—

District very undulating.

Rowley	722	feet above sea level.
Tividale	498	,, ,,
City	750	,, ,,
Oakham	769	,, ,,
Black Heath	607	,, ,,
Old Hill	387	,, ,,
Cradley Heath	346	,, ,,

Tividale. Loose loam. Sub-soil. Clay and Roche.

City. Waterlogged.

Rowley Regis. Practically dry to within a depth of eight to ten feet.

Black Heath. ,, ,, ,,
Tump Road. Roche.
High Street. Sand.

Old Hill. Clay and Blue Roche.
Church Street Waterlogged.
Windmill End. ,,

Cradley Heath. Clay and Blue Roche.
Graingers Lane. Waterlogged in parts.
Fox Oak Street. ,,
Cokeland Place. ,,

PROXIMITY TO WATER.

Tividale—The Birmingham Canal runs parallel with Tividale and is within a varying distance of 100 to 200 yards.

Rowley Regis—The Birmingham Canal at Windmill End to Powke Lane

Black Heath—Canal Basin and Reservoir at Whiteheath within three hundred yards. Birmingham Canal on lower side dividing it from Old Hill.

Old Hill—Mouse Sweet Brook and Birmingham Canal.

Cradley Heath—River Stour on lower division and Mouse Sweet Brook.

BIRTHS.

One Thousand three hundred and seven births have been registered viz : Six hundred and sixty-nine males and six hundred and thirty-eight females. They have been distributed as follows :—

Tividale	46	males.	42	females.	Total	88.
Rowley Regis	93	,,	89	,,	,,	182.
Black Heath	139	,,	155	,,	,,	294.
Old Hill	242	,,	232	,,	,,	474.
Cradley Heath	149	,,	120	,,	,,	269.
Total	669		638			1307.

Annual birth-rate 36·92.

The birth-rate for the previous year was 37·69. This year's rate is the lowest since 1896.

MORTALITY RETURNS.

Five hundred and sixteen deaths have been recorded, viz: four hundred and ninety-three in the district and twenty-three residents have died outside the district, viz: eleven in Dudley Workhouse, and twelve at the Guest Hospital.

In the first quarter one hundred and twenty-five deaths were recorded, viz:

Under one year of age	40
All other ages	85

In the second quarter one hundred and twenty-four deaths were recorded, viz:

Under one year of age	38
All other ages	86

In the third quarter one hundred and four deaths were recorded, viz:

Under one year of age	33
All other ages	71

In the fourth quarter one hundred and sixty-three deaths were recorded, viz:

Under one year of age	57
All other ages	106
Total for year	516.

Giving an annual death-rate of 14·57 which is the lowest death-rate I have on record.

ANALYSIS OF THE DEATH-RATE.

Deaths registered.	Groups of ages	Annual Death-rate per 1000 of inhabitants.
One hundred and sixty-eight,	under one year ...	4·75
Seventy-eight	between one and five years	2 20
Twenty	,, five and fifteen ,,	·57
Twenty-three	,, fifteen and twenty-five years	·65
One hundred and twenty seven	between twenty-five and sixty-five years	3.58
One hundred	Over sixty-five years	2·82
		14·57

Schedule of deaths under one year and between one and five years of age certified as due to the following causes :—

	Under one year.	Between one and five years.
Measles ...	4	16
Scarlet Fever ...	0	6
Whooping Cough ...	1	1
Diphtheria & Membraneous Croup	0	4
Croup	0	1
Diarrhœa	2	3
Enteritis	16	3
Erysipelas ...	1	0
Tubercular Disease ...	3	1
Bronchitis	17	9
Pneumonia	4	7
Venereal Diseases	1	1
Premature Births	46	0
Heart Disease	2	0
Accidents	2	2
All other causes	69	24
Total -	168	78

The following Tables show the distribution of Sickness and Deaths throughout the district from Zymotic diseases at two groups of ages in specified areas, taking each Ward as an area and giving the population of each Ward according to the approximate estimated population up to the middle of 1902.

TIVIDALE WARD.
Estimated Population to Middle of 1902, 2850.

STREET LIST.

Brades Road
Dingle Street
Brades Row
Brades Village
Salop Street
Albion Street
Roway Lane
Dudley Road
Upper Chapel Street
Britannia Street
Lower Chapel Street
Tipton Road
Groveland Road
Groveland
Crown Bob Colliery
Hange Collieries
Parker's Lane
California (back of Oakham Colliery)
City
Lye Cross
Darby's Hill
Oakham (Mr. Jones side part of).

		Small Pox	Scarlet Fever	Diphtheria and Membr'nus Croup	Erysipelas	Enteric Fever	Puerperal Fever
First Quarter.							
Sickness	Under 5 yrs.						
	Over 5 yrs.				1	2	
Deaths	Under 5 yrs.						
	Over 5 yrs.					1	
Second Quarter.							
Sickness	Under 5 yrs.		2				
	Over 5 yrs.					2	
Sickness	Under 5 yrs.						
	Over 5 yrs.						
Third Quarter.							
Sickness	Under 5 yrs.		2				
	Over 5 yrs.		8				
Deaths	Under 5 yrs.		1				
	Over 5 yrs.						
Fourth Quarter.							
Sickness	Under 5 yrs.		8	1			
	Over 5 yrs.		13	2	1		
Deaths	Under 5 yrs.						
	Over 5 yrs.		1				

ROWLEY REGIS WARD.
Estimated Population to Middle of 1902, 5426.

STREET LIST.

Oakham (from boundary by Mr. Jones' to Wheatsheaf, South side).
Turner's Hill
Birmingham Road (from Endowed School to Mr. Harper's)
Rowley Village
Siviter's Lane
Ross
Shepherd's Fold
Yew Tree Lane
Powke Lane (from Southall's to Canal)
Moore Lane
Bell End
Church Road
Hawes Lane
Dudley Road
Springfield Lane
Dog Lane (above Canal)
Bullfield
Tippetty Green
Perry's Lake
Gadds Green
Hailstone Hill
Portway Road
Throne
Whiteheath Gate (Chapel side).
Mincing Lane (above Oldbury Road)

		Small Pox	Scarlet Fever	Diphtheria and Memb'rnus Croup	Erysipelas	Enteric Fever	Puerperal Fever
First Quarter.							
Sickness	Under 5 yrs.		2				
	Over 5 yrs.		1		1	2	
Deaths	Under 5 yrs.						
	Over 5 yrs.						
Second Quarter.							
Sickness	Under 5 yrs.		1				
	Over 5 yrs.		1		3		
Deaths	Under 5 yrs.						
	Over 5 yrs.						
Third Quarter.							
Sickness	Under 5 yrs.		1				
	Over 5 yrs.		2		2		1
Deaths	Under 5 yrs.						
	Over 5 yrs.						
Fourth Quarter.							
Sickness	Under 5 yrs.		7	1	1		
	Over 5 yrs.		7	5	1		
Deaths	Under 5 yrs.						
	Over 5 yrs.			1			

BLACK HEATH WARD Estimated Population to Middle of 1902, 6730.			Small Pox	Scarlet Fever	Diphtheria and Memb'rnus Croup	Erysipelas	Enteric Fever	Puerperal Fever
STREET LIST.	**First Quarter.**							
Oldbury Road	Sickness	Under 5 yrs.						
Mott Street		Over 5 yrs.				6		
Birmingham Road (No. 14—68)	Deaths	Under 5 yrs.						
High Street (except small part in Rowley Regis Ward).		Over 5 yrs.						
Short Street	**Second Quarter.**							
Causeway	Sickness	Under 5 yrs.						
Halesowen Street		Over 5 yrs.		1			2	
Hackett Street	Deaths	Under 5 yrs.						
Cross Street		Over 5 yrs.					2	
John Street	**Third Quarter.**							
Union Street	Sickness	Under 5 yrs.		7	1			
Darby Street		Over 5 yrs.		4	1	7		
Powke Lane (Nos. 1 to 27)	Deaths	Under 5 yrs.						
Terrace Street		Over 5 yrs.				1		
Tump Road	**Fourth Quarter.**							
Holly Road	Sickness	Under 5 yrs.		12	1			
Whiteheath Gate (Robinsons side)		Over 5 yrs.		15	1	2	1	2
Mincing Lane (four doors below Oldbury Road).	Deaths	Under 5 yrs.		1				
Waterfall Lane (above Canal)		Over 5 yrs.						
Tory Street								
Gorsty Hill Road								
Granville Road (three houses above Canal)								
West Street								
Marlow Street								
Highfield Road								
Duke Street								
Payne Street								

OLD HILL WARD.
Estimated Population to Middle of 1902, 11063.

STREET LIST.
Powke Lane (part below Canal)
Windmill End
Dog Lane (part below canal)
Halesowen Road
Haden Hill
Hayseech
Pig Lane
Waterfall Lane (below canal)
Granville Road (late Gorsty Hill)
Beauty Bank
Cherry Orchard
Wright's Lane
Lion Road. Waggon St.
King St. Elbow St.
Garratt's Lane
Best St. Cross St.
Queen Street
Wellington St. Bank St.
Dudley St.
Spring Meadow
Trinity St. Mace St.
Siddaway St. Church St
Court St. New St.
Riddins St.
Holloway St. (late part of Riddins St.)
Jackson St. (late part of Riddins St.)
Peartree Street
Peartree Lane (Pack Horse side)
Lawrence Lane (the whole except part in Cradley Heath)
Claremont Street
Reddal Hill Rd. (from No. 1 to Lawrence Lane one side and from Reddal Hill Schools back to Cross)
Haden Rd. Clyde St.
Penn St. Meadow St.
Clifton Street

		Small Pox	Scarlet Fever	Diphtheria and Membr'nus Croup	Erysipelas	Enteric Fever	Puerperal Fever
First Quarter.							
Sickness	Under 5 yrs.		18	1	2		
	Over 5 yrs.		15		10	5	1
Deaths	Under 5 yrs.		2		1		
	Over 5 yrs.					1	
Second Quarter.							
Sickness	Under 5 yrs.		2		2		
	Over 5 yrs.		1		1		
Deaths	Under 5 yrs.						
	Over 5 yrs.						
Third Quarter.							
Sickness	Under 5 yrs.		4	1			
	Over 5 yrs.		5		4	1	
Deaths	Under 5 yrs.						
	Over 5 yrs.						1*
*This death occurred in the Guest Hospital.							
Fourth Quarter.							
Sickness	Under 5 yrs.		5				
	Over 5 yrs.		5		4		1
Deaths	Under 5 yrs.		1				
	Over 5 yrs.				1		1

CRADLEY HEATH WARD.

Estimated Population to Middle of 1902, 9331.

STREET LIST.

Peartree Lane (Part of Pack Horse)
Petford Street
Pearson Street
Lawrence Lane (from Pear Tree Lane to Reddal Hill, T. Parkes & Sons side)
Plant Street
Reddal Hill Road (part not included in Old Hill Ward)
Park Street. Oak Street
Newtown Street
Hingley Street
Spinners End
Holly Bush Street
Meredith Street
Albert Street
St. Luke St. School St.
Lomey Town
Silverthorn Lane
Forge Lane Woods Lane
Whitehall Lane
Compton Road
Scholding Green Road
Cradley Road
Graingers Lane
Stour Colliery
Beehive Street
Cokeland Place
Station St. Chester Rd.
Corngreaves Road
Surfeit Hill. Queen St.
King St. Tibbetts Gardens
High St. Foxoak St.
Bank St. Newtown Lane
Bannister Street (top of Newtown Lane)
Providence Street
Sidney Street

		Small Pox	Scarlet Fever	Diphtheria and Memb'rnus Croup	Erysipelas	Enteric Fever	Puerperal Fever
First Quarter.							
Sickness	Under 5 yrs.		5	2	1		
	Over 5 yrs.		7		1	2	
Deaths	Under 5 yrs.						
	Over 5 yrs.						
Second Quarter.							
Sickness	Under 5 yrs.		4	3	1		
	Over 5 yrs.		2	2	3	1	1
Deaths	Under 5 yrs.		1	3			
	Over 5 yrs.			1			1
Third Quarter.							
Sickness	Under 5 yrs.			3	1		
	Over 5 yrs.		1		4		
Deaths	Under 5 yrs.			1			
	Over 5 yrs.						
Fourth Quarter.							
Sickness	Under 5 yrs.		2				
	Over 5 yrs.		3		3		1
Deaths	Under 5 yrs.						
	Over 5 yrs.						

	Deaths from Notified Causes			Deaths from Unnotified Infectious Diseases.					Cases of Infectious Diseases Notified.		
	Total Deaths.	Under 5 years.	Over 5 years.	Total Deaths.	Measles.	Whooping Cough.	Influenza	Diarrhœa.	Total Cases Notified	Under 5 years.	Over 5 years
First Quarter	5	3	2	3	2	0	0	1	85	31	54
Second ,,	8	4	4	1	0	0	1	0	35	16	19
Third ,,	4	2	2	19	17	1	0	1	60	21	39
Fourth ,,	6	2	4	8	2	1	1	4	105	39	66
Totals ...	23	11	12	31	21	2	2	6	285	107	178

This table shows an annual death-rate of ·649 per 1,000 of inhabitants from notified Infectious causes.

It also shows an annual death-rate of ·87 per 1000 of inhabitants from unnotified Infectious causes.

Also that 8·05 per 1,000 inhabitants were notified as suffering from some form of Infectious disease.

Comparisons of death-rates from Zymotic diseases:—

In 1898 there were 1·5 per 1000 deaths from notified Infectious causes.
,, 1899 ,, ·75 ,, ,, ,,
,, 1900 ,, ·62 ,, ,, ,,
,, 1901 ,, ·602 ,, ,, ,,
,, 1902 ,, ·649 ,, ,, ,,

In 1898 there were 2·78 per 1000 deaths from unnotified Infectious causes
,, 1899 ,, ·94 ,, ,, ,,
,, 1900 ,, 2·01 ,, ,, ,,
,, 1901 ,, 2·44 ,, ,, ,,
,, 1902 ,, ·87 ,, ,, ,,

Rate per 1000 of inhabitants notified as suffering from Infectious Diseases:—

In 1898 there were 7·4 per 1,000.
,, 1899 ,, 7·72 ,,
,, 1900 ,, 4·65 ,,
,, 1901 ,, 7.14 ,,
,, 1902 ,, 8·05 ,,

Table of deaths from Zymotic causes from 1890 to 1902.

Causes of Death	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902
Small Pox	0	0	0	1	0	0	0	0	0	0	0	0	0
Scarlet Fever	2	7	2	2	10	25	14	14	8	8	2	12	7
Measles	59	12	20	5	33	8	50	0	45	3	47	4	21
Diphtheria & Mem'brns C'rp	14	5	4	13	10	5	8	5	3	3	6	3	6
Wh'ping C'gh	11	8	14	28	7	25	27	8	15	4	4	55	2
Contd. Fever	0	0	2	0	0	0	0	0	0	0	0	0	0
Typhoid Fever	3	9	3	9	5	3	6	4	38	9	6	2	4
Diarrhœa	28	19	10	26	9	24	12	35	32	22	16	25	6
Erysipelas	1	0	7	2	3	2	2	3	1	2	5	1	3
Influenza	1	12	21	16	3	10	8	9	6	5	7	1	2
Cholera	0	0	0	2	0	0	0	0	0	0	0	0	0
P'peral Fever	0	0	0	0	0	2	0	1	3	5	4	3	3
Totals	118	72	83	104	80	104	127	79	151	61	97	106	54

For a tabulated statement of deaths from Infectious diseases, see Tables IV. and V. (first series).

For a quarterly death-rate per 1,000 of inhabitants, see Table III. (first series).

SMALL POX.

The district has been free from this disease throughout the year, but the Isolation Hospital has been reserved for any case that might have occurred during the last nine months.

SCARLET FEVER.

There is again an increase in the cases reported this year over those for last year, but a decrease in the number of deaths, viz:—One hundred and seventy-three cases, and seven deaths occurring in ninety-one families as against one hundred and fifty nine cases and twelve deaths occurring in ninety-seven families for last year.

48	cases	and	2	deaths	were reported	in the	1st Quarter.
14	,,		1	,,	,,	,,	2nd ,,
34	,,		1	,,	,,	,,	3rd ,,
77	,,		3	,,	,,	,,	4th ,,
33	,,		2	,,	occurred at Tividale.		
22	,,			,,	,,	Rowley.	
39	,,		1	,,	,,	Black Heath.	
55	,,		3	,,	,,	Old Hill.	
24	,,		1	,,	,,	Cradley Heath.	

During the First Quarter, it was chiefly confined to the Old Hill and Cradley Heath Wards.

During the Second Quarter, a few cases were scattered pretty evenly throughout the district.

During the Third Quarter, a considerable increase occurred at Tividale, and a slight increase throughout the other Wards.

During the Fourth Quarter, a much larger increase occurred at Tividale, at Rowley Regis and at Black Heath.

A number of cases occurred at Tividale during August and September. In October, it had assumed epidemic form, and consequently, I notified the Local Government Board and the Staffordshire County Council of the fact. I also wrote to the Chairman of the Rowley Regis School Board calling his attention to this outbreak, and also to an outbreak of Measles in the Tividale Ward, and asking him to close the Schools for at least three weeks.

Copy of Letter sent to the Local Government Board and Staffordshire County Council.

Rowley Regis Urban District Council
Mountfort House, October 19th.

Sir,

I have to report the outbreak of a number of cases of Scarlet Fever in the Urban Sanitary District of Rowley Regis.

During the four weeks ending October 4th twenty-six cases were notified, viz:—

	Five weeks ending Oct 4.	Week ending Oct. 11.	Week ending Oct. 18.
Tividale Ward	7	2	6
Rowley Regis	5	0	2
Black Heath	11	4	4
Old Hill	3	0	3
Cradley Heath	0	0	1
	26	6	16

We have no means of isolating these cases. The precautions we adopt, are—preventing the children from infected houses attending School. Keeping the infected children in their homes until free from infection. Supplying disinfectants, and at the termination of the case fumigating the house, clothing, etc. with sulphur fumes, and causing the house to be lime-washed.

I have the honour to remain, Sir,
Yours obediently,
J. G. BEASLEY, M.O.H

The Schools were closed for three weeks commencing October 18th and were re-opened on November 10th. On November 14th I found it advisable to ask the School Authorities to again close the School for a further period of three weeks as the cases of Scarlet Fever were quite as prevalent then as when they were previously closed.

I again notified the Local Government Board of the action I had taken. I also again wrote to the Chairman of the Rowley Regis School Board calling his attention to the continued state of things at Tividale, and asking that the Schools might be re-closed for a further period of three weeks.

Copy of Letter sent to the Local Government Board and Staffordshire County Council.

Mountfort House, Rowley Regis, Nov. 18th, 1902.

To the Rt. Honourable, The President of the Local Government Board.
Sir,

I have again to report to you the continuance of the outbreak of Scarlet Fever at Tividale in the Rowley Regis Urban Sanitary District. The Board School at Tividale was closed from October 20th to November 10th on account of the number of children attending this School being attacked with Scarlet Fever and other Infectious diseases. The School was re-opened last Monday, (November 10th,) and the School work carrried on until Friday last when the following returns were obtained.

Children absent from School from any of the below-named causes :—

	Scarlet Fever.	Measles.	Chicken Pox.	Whooping Cough.	Mumps.
Boys	5	36	1	1	2
Girls	2	26	5	0	12
Infants	7	24	2	1	3
Total	14	86	8	2	17

As there appears to be no abatement of the epidemic of Scarlet Fever, and the other Infectious Diseases are very prevalent, I again requested the School Board Authorities to re-close the School for a further period of three weeks, commencing November 17th. The request has been acceeded to.

I have the honour to remain, Sir,
Yours obediently,
J. G. BEASLEY.

When the School was re-opened in the early part of December, the number of cases was very considerably decreased, and as the Xmas holidays commenced on December 19th, I did not think it necessary to take any further action During the time the Schools were closed, they were thoroughly cleansed and disinfected.

MEASLES.

Twenty-one deaths have been recorded from this disease. Two in the First Quarter; Seventeen in the Third Quarter, and Two in the last Quarter. During the last thirteen years, I notice there has been a marked rise and fall in the deaths every alternate year. See Table of Deaths from Zymotic causes.

In June, it commenced in Black Heath, and in July, was very prevalent, especially amongst children attending the Tump Road Board School. This School Returns for July, were as follows:—

Week ending July	11th.	Mixed School	37	absent.	Infants	66	absent
,,	,, 18th.	,,	30	,,	,,	60	,,
,,	,, 25th.	,,	26	,,	,,	40	,,

The Mid-Summer holidays fortunately occurred at this time, and at their expiration, Black Heath was tolerably free from the epidemic At the end of August, it re-appeared in Old Hill, and in September, spread throughout the Parish. In October it was so prevalent at Tividale (together with an epidemic of Scarlet Fever) that I advised the School Board Authorities to close the School. I also notified the Local Government Board, and Staffordshire County Council of the action I had taken.

COPY OF LETTER.

Rowley Regis Urban District Council,

Mountfort House,

Oct. 18th, 1902.

To the Rt. Hon. the President of the Local Government Board.

Sir,

I have to report the outbreak of an epidemic of Measles in the Tividale Ward of the Rowley Regis Urban Sanitary District. As this disease is not notified, I only have the weekly Returns from the various Schools to rely on for information. Out of an average attendance of 450, 87 children are absent from this disease, and there are over 40 other cases of suspected Infectious Diseases which have not yet been verified.

I have the honour to remain, Sir,

Yours obediently,

J. G. BEASLEY,

Medical Officer of Health, to the Rowley Regis Urban District Council.

COPY OF LETTER.

Rowley Regis Urban District Council.

Mountfort House,

October 18th, 1902.

To the Rt. Hon. the President of the Local Government Board.

Sir,

I have to report the outbreak of a number of cases of Mumps in the Tividale Ward of the Rowley Regis Urban Sanitary District. The Returns from the Schools are the only means I have of arriving at an idea of the numbers attacked, but this week's Return shews that Thirty-three children are away from School from this cause. In consideration of the number of children absent from this School through Infectious Diseases, viz:—Eighty-seven from Measles; Fifteen from Scarlet Fever; Thirty-three from Mumps, and Five from Chicken-Pox, beside Forty others not verified, I have, in the interest of Public Health, requested the Rowley Regis School Board to close this School at Tividale for at least three weeks, commencing October 20th, 1902.

I have the honour to remain, Sir,

Yours obediently,

J. G. BEASLEY,

Medical Officer of Health of the Rowley Regis Urban District Council.

The School was closed for three weeks, then re-opened for a week, and again on my advice, re-closed for a further period of three weeks. At the expiration of the second period, the disease was found to have considerably abated. Xmas holidays followed a fortnight after the re-opening.

DIPHTHERIA & MEMBRANOUS CROUP.

Twenty-five cases have been notified and six deaths occurring in twenty families, as against seventeen cases and three deaths for the previous year. The deaths occurred—one in Rowley Regis Ward, and four in Cradley Heath Ward. The only cases in which causes were found, which may have induced the disease are as follows:—

Two cases in a house in Tibbett's Gardens.—An open and offensive drain and a wet ash-pit.
One at Newtown Lane—A blocked drain and offensive ash-pit.
,, Tibbetts' Gardens—Foul drain near house.
,, Best Street—Broken pan in W.C.
,, Plant Street—Badly constructed, and offensive ash-pit.
,, High Street, Blackheath—Dirty yard in which poultry are kept.
,, Church Road—Defective closet drain.
Two at one house at Dog Lane—Damp house, undrained, on account of low situation.
One at Gadd's Green—Very old and damp cottage.
Two at Tividale—Both following Scarlet Fever.
,, Dudley Rd., Rowley Regis—in a very new, and consequently damp house.

No history could be obtained to account for the other cases. The defects above-mentioned have been remedied.

ENTERIC FEVER.

Eighteen cases notified, and four deaths as against eleven cases and two deaths for previous year. One case only has been isolated in the hospital.

Jan. 16—a case at Beehive St., Cradley Heath—The tank of W.C. out of repair. Patient removed to hospital.
,, 23. ,, 115, Dudley Rd., Tividale—Surroundings satisfactory. Patient died a few days after notification.
,, 27. ,, 68, Peartree Street, Old Hill—Surroundings satisfactory. Patient attends Mace St. School.
,, 29. ,, Wellington St., Old Hill—Tank of W.C. out of repair.
,, 29. ,, 54, Elbow St., Old Hill—Offensive Midden closet

Feb. 10.	—a case at	5, Tippetty Green, Rowley Regis—Some old midden-closets had been recently taken down.
„ 12.	„	115, Dudley Rd. Tividale—Contracted from wife, who died from same disease a few weeks ago.
„ 13.	„	37, Station Rd., Old Hill—Offensive closets in a confined space. Patient died.
„ 13.	„	Church Rd., Rowley Regis—Surroundings satisfactory. No history of infection.
„ 15.	„	Clyde St, Old Hill. Privy and midden close to house.
„ 17.	„	104, Corngreaves Rd., Cradley Heath An offensive pan closet and dumb well.
Apr. 25.	„	Brades Village, Tividale—House by side of Canal. Open drainage, offensive closet and ashpit. No adequate water supply.
„ 29.	„	Union St., Black Heath—New house, Well water. Patient died. Water found to be contaminated when analysed.
May 25.	„	Lower Chapel St., Tividale. Blocked drain, Insanitary and insufficient middens, house being situtated in a court.
June 22.	„	107, Halesowen St., Black Heath. No apparent cause. Patient died.
„ 28.	„	51, Meredith St., Cradley Heath—Very offensive ashpit.
Aug. 28.	„	Station Rd., Old Hill. A new house; no apparent cause.
Nov. 1.	„	Powke Lane, Black Heath—The patient, a discharged soldier who has been in hospital at Aldershot since his return from India. Patient died.

Sixteen of the houses occupied by these cases are supplied with S.S.W.W.Co.'s water. One was supplied from a well whichw as found to be contaminated; One had no water within a hundred yards except Canal water. With one exception, they are all connected with the sewers. Eleven of them were supplied with water closets, the other seven having the old privy middens. In five cases there was no apparent cause

Only one case was treated in the hospital, as the Council decided not to take in any more cases on account of the possible invasion of Small Pox.

PUERPERAL FEVER.

Seven cases have been reported and Three deaths as against four cases and three deaths for the previous year. One case occurred at Rowley; Two at Black Heath; Two at Old Hill, and Two at Cradley Heath.

All these cases had in the first place been attended by a Mid-wife. Possibly, when the Mid-wives Registration Bill comes into full operation, these cases will be less frequent. The usual precautions were taken to prevent the disease spreading, viz :—Suspending the Mid-wife from attending cases for at least ten days. Disinfecting the clothing, bedding, etc. at the Council's Disinfector and fumigating and lime-washing the house at the termination of the case.

ERYSIPELAS.

Sixty-two cases and Three deaths as against Fifty-six cases and One death for the previous year. Two occurred at Tividale; Eight at Rowley Regis; Fifteen at Black Heath; Twenty-three at Old Hill, and Fourteen at Cradley Heath.

WHOOPING COUGH.

The district has been tolerably free from this disease. Two deaths occurred from it, both at Rowley. One in August, and the other in December. This disease is not notified.

DIARRHŒA.

Only Six deaths have been registered from this disease, as against Twenty-four for the previous year. One occurred at Tividale; One at Rowley Regis; Two at Black Heath and Two at Old Hill.

PHTHISIS.

Sixteen deaths were registered from this disease, as against Twenty-eight for the previous year. One occurred at Rowley; Two at Black Heath; Five at Old Hill, and Eight at Cradley Heath.

During the last year, the Medical Practitioners in the district have availed themselves much more extensively of the facilities afforded by the Staffordshire County Council for the free Bacteriological examination of secretions from suspected cases. The antipathy against disinfection after this disease is not so marked as formerly. Fourteen out of the Sixteen cases reported have acquiesced to the Council's decision.

INFLUENZA.

Two deaths have been registered from this cause. It was most prevalent in the first and last Quarters of the year, and was of a mild type as compared with previous years.

PREVENTIVE MEASURES ADOPTED.

Isolation when possible, of Small Pox and Enteric Fever, at the Tividale Hospital. All other cases of Infectious diseases are treated at the patients own homes. They are all visited as soon after notification as possible, and are supplied with disinfectants, and are

given a circular telling them how to use the disinfectants and warning them against exposing themselves in public, until after their houses and clothing have been fumigated by the Council's official; preventing children from infected houses attending School; cleansing and lime-washing all dirty and infected houses; fumigating all infected houses, clothing, etc. with sulphur fumes, cleansing drains and water-courses; converting defective midden-closets into water closets; insisting upon a supply of pure water, when the present supply is insufficient or doubtful; removing all cases of Small Pox and Enteric Fever cases when possible to the hospital; disinfecting by steam disinfector, the clothing, and bedding of Small Pox, Phthisis, Enteric Fever and Puerperal Fever cases, free of charge, and the clothing, bedding, etc. of any parishoner from any cause who is willing to pay a fee of 10/- for so doing. The free supply to Medical Practitioners for their use amongst the poor of this District of Antidiphtheretic and Antistreptococcus serums with the necessary syringes. Bacteriological Examinations free of charge, at the Birmingham University, of secretions from suspected cases of Diphtheria, Phthisis, and Enteric Fever.

Compulsory notification of the following diseases:—Small Pox, Scarlet Fever, Diphtheria, and Membranous Croup, Puerperal Fever, Erysipelas. Cholera, Enteric Fever and Typhus Fever.

Valuable information is obtaiued from the Head Teachers of the Elementary Schools, who supply me weekly (gratuitiously) with returns of the number of children absent from their respective Schools from any Infectious disease. This information is especially valuable in un-notified Infectious diseases. I again express my very best thanks to them for their courtesy.

Epitome of Sanitary Work for the year 1902.

DEEP DRAINAGE AND HOUSE CONNECTIONS.

The deep-drainage scheme was completed last year. In June, 1901, the Assistant Engineer reported that 2,172 connections had been made, and that 5,800 houses had been drained; that there were 370 houses which could not be connected with the sewer, and he calculated that about 659 new houses had been connected to sewers by owners as they were erected including those in new streets which were connected before the drainage scheme was taken in hand and which it had not been considered necessary to re-drain. During the past year one hundred and fifty-three new houses have been occupied all of which have been connected to sewers by owners under the surpervision of the Council's Surveyor. No plans for new houses are passed unless they show proper provision for drainage and connection to sewers.

CELLAR DRAINAGE.

This is still only permitted in exceptional cases, and then under the strict supervision of the Council's official. The outlet from the cellar is carried through the wall and empties into a gully placed outside the building, from which an air-shaft is built to ground level and is covered with a perforated cast-iron cap.

NIGHTSOIL AND HOUSE REFUSE.

This work is still carried out on the old lines. The work is performed by contract, and is supervised by the Sanitary Inspector and his assistant. The nightsoil is removed between the hours of 10 p.m. and 8 a.m. and the dry ashes during the day. All plans for new houses are only passed subject to water-closets being provided except in those localities where it is impracticable to sewer and to get a water supply. The old privies and privy-middens are being steadily re-placed by water-closets, and I trust in the course of a few years hence water-carriage will be the principal if not the sole means of nightsoil removal.

The Sanitary Inspector reports that there are at the present time 3850 privies, 2950 middens, 1750 water-closets, and 870 dry ashpits in the district.

The desirability of nighsoil tips will be an urgent question for the near future. We are fairly well off for tips at the present time, but if the District continues to increase at the same rate as it has for the last few years, building-land will be at a premium, and then the provision of Destructors or some other equally effective method for getting rid of the refuse will have to be considered.

Also the importation of dry ashes and house refuse from neighbouring districts which is carried on very extensively at the present time, especially in the Tividale Ward is much to be deplored, as these so-called dry ashes may easily be a medium for conveying Infectious diseases, as dust bins must of necessity contain refuse from houses in which Infectious diseases exist. This rubbish is sorted over as deposited for a variety of articles including paper, rags, bones, old household utensils, carpet, linoleum, etc. which are all sold to different trades. The sooner each district is compelled to deal with its own refuse the better for the community at large.

DIAGNOSIS OF DIPHTHERIA, ENTERIC FEVER AND TUBERCULOSIS.

The arrangement made by the County Council with the Birmingham University for the Free Bacteriological Examination of

Secretions from patients supposed to be suffering from either of the above-named diseases still holds good. The necessary apparatus for the transmission of these secretions are sent to each Medical Man, and can always be obtained from me, together with supplies of Antidiphtheretic or Antistreptococcus serums and syringes, on application. I am pleased to say that a much more liberal use has been made of these advantages than in the previous year.

HOSPITAL ACCOMMODATION.

An advance has been made in this direction particularly as regards Small Pox Isolation. An application has been made to the Local Government Board for a Provisional Order to form a joint district in South Staffordshire which includes this district. The several Authorities concerned have authorised the Town Clerk of Wolverhampton to make the application subject to the Staffordshire County Council rendering the same pecuniary aid as they proposed in case of themselves ordering a hospital area under the Isolation Hospital Act. It is hoped this condition will be fulfilled so that the scheme may not fall through.

In the meantime acting on the Council's instructions, I am keeping the Tividale Isolation Hospital reserved for any case of Small Pox which may occur.

I am led to believe that the County Council are intending in the near future to issue an order for forming joint districts for establishing isolation hospitals for other infectious diseases.

WATER SUPPLY.

One well which supplied nine houses with water has been found to be contaminated and consequently condemned. The above-mentioned houses have all been supplied with South Staffordshire Water Works Company's Water. The Surveyor informs me that seventy-eight other properties have been supplied with the same Company's water

The water supply at the City is still in the same condition, all negotiations to induce the owner of a small stream which now runs to waste to allow the Council to protect and store it for the use of the neighbourhood having failed.

COWSHEDS, DAIRIES AND MILKSHOPS.

All plans for any of the above-named buildings are passed subject to the new byelaws. On the whole they are fairly well kept. The old ones are being brought up to date as occasion permits. The Inspector reports that he has made eight-six inspections and has had to take proceedings in only one case, viz:—No proper provision for the storing of manure.

SLAUGHTER-HOUSES.

Two new slaughter-houses have been licensed making a total of thirty-eight in this district. They are well kept and conducted in accordance with the byelaws.

INSANITARY AREAS.

Some more slight improvements have been made in Tibbetts Gardens, viz:—The remainder of the open drains have been put in order by the Council, and four water-closets have been substituted for privies. There is still much to be wished for in this locality, and it must of necessity continue in an unsatisfactory state until some scheme for efficient drainage can be carried out.

INSANITARY HOUSES.

Five houses have been condemned as unfit for habitation. Two of them have been demolished, and three have been put in habitable repair. Seven others have been demolished without compulsion

OVERCROWDING.

This is not so prevalent as formerly, only nine case having been dealt with this year as against twenty-four for the previous year. The number of new houses built in this district is probably accountable for this improvement.

ACID WASTE.

This still remains a very vexed question. The most hopeful sign is, that the Manufacturers are awaking to their responsibilities and have held several meetings. A meeting under the auspices of the County Councils of Staffordshire and Worcestershire was held at Birmingham, also at the invitation of the Worcestershire County Council at Stourbridge, during the past year, which will, I hope, be productive of a workable scheme for the prevention of pollution of our streams, water-courses, and rivers, and guard against the destruction of our sewers, and the deterioration of the land at our Sewage Farm.

CEMETERY.

This question is still under the consideration of the Council. An expert has been engaged to inspect and prove suitable sites, and report to the Council.

LEGAL PROCEEDINGS.

There have been no prosecutions in this department during the year.

NEW STREETS.

The Council continues to have all land on newly-laid-out building estates put in proper order and adopted in accordance with the Public Health Act.

HEALTH AND NURSING LECTURES.

The Local Technical Instruction Committee still continue their good work by providing a series of Lectures on "Health and Sick Nursing." These lectures are well attended, and are much appreciated.

INSPECTION OF CANAL BOATS.

Mr. Barnsley reports that one hundred and thirteen Canal Boats have been inspected. Nine contraventions under the Canal Boats' Act were discovered, all of which were remedied. The occupiers of the Boats consisted of one hundred and sixty-six men; sixty-four women; fourteen boys and thirteen girls between the ages of five and twelve years; and nineteen children under five years of age. There has not been any case of Infectious disease discovered on any of the boats inspected. An Isolation Hospital for the reception of Small Pox cases is always in readiness at Tividale. It has not been necessary to take any legal proceedings.

FIRE BRIGADE.

A Fire Brigade has been inaugurated, consisting of thirty-six Firemen who are divided into five Sections, distributed over the five Wards of the District. Each Ward has a Fire Station, which is supplied with the following appliances viz:—Hose Cart, Hose, Hand Pump, Ladders, Stand Pipe and Branch Pipe.

The Council has also supplied additional hydrants in those places where the present length of hose was not sufficient to reach properties remote from the mains. The usefulness of the Brigade has been demonstrated at several recent cases of fire in the neighbourhood. The Brigade is under the command of Captain E. T. Barnsley.

Rowley Regis Urban District Council.

ADMINISTRATION OF THE FACTORY AND WORKSHOP ACT, 1901.

This being the First Report in this District of the administration of the Factory and Workshop Act, 1901, I commence it by briefly referring to the nature of the District and to the class of the bulk of the people inhabiting it. Rowley Regis is a large scattered Parish extending over an area of 3,670 acres, and containing an estimated population of 35.400 inhabitants. It is divided into five Wards, viz:—Tividale, Rowley Regis, Black Heath. Old Hill and Cradley Heath.

Tividale Ward with an area of 984 acres, and a population of 2,850 inhabitants is partly agricultural, and partly industrial. The chief industries are Coal-mining, Brick-making, different varieties of Iron Manufacture, Galvanizing and Granite Quarrying.

Rowley Regis, with an area of 1,043 acres, and a population of 5,426 inhabitants is also partly agricultural and partly industrial. The industries chiefly consist of Coal mining, Granite quarrying, Brick making, Pottery work, Nut and Bolt, Rivet and Nail trades.

Blackheath, with an area of 188 acres, and a population of 6,732 inhabitants, is almost entirely industrial. The industries are chiefly Nut and Bolt. Spade and Shovel, Rivet, Nail, Tailoring, Baking, and Boot and Shoe making.

Old Hill, with an area of 599 acres, and a population of 11,063 inhabitants, is chiefly industrial. The chief industries are Iron making, Coal mining, Brick making, Boot and Shoe making, Rivet and Chain making, Tube making, Tailoring, and Coke burning.

Cradley Heath, with an area of 552 acres, and a population of 9331 inhabitants, is also chiefly industrial. The Chief industries are Chain-making, Rivet-making, Galvanizing, Brick-making, various forms of finished Iron industries, Coke burning, and Hollow-ware trades

The bulk of the population are of the artisan class, and are employed in some one of the above-mentioned industries

The new Act has caused much new work in this department, in so far as new obligations touching Sanitary conditions of workshops, etc. are imposed upon the Council, but I am very pleased to say that with the extra assistance given to the Inspector of Nuisances who has been appointed by this Council, Factory and Workshop Inspector a good start has been made towards producing in the numerous Factories and Workshops, the sanitary conditions which the Act requires.

I am indebted to Mr. Barnsley, the Council's Inspector, for the following report:—

"The majority of the workshops in this Council's district are of the Chain and Nail-making type which in many cases consist of a combination of work-shops and wash-houses, and at the same time for the keeping of domestic animals of various descriptions, such as fowls, Pigeons, Rabbits, etc. With the exception of a few cases, upon the first inspection, all the work-shops were discovered to be not lime-washed, but the walls in a dirty condition, arising from the dust which is produced by the sparks from the fires, lodging on the walls and in the small cavities of the buildings which accumulates to considerable thickness in the course of a year.

The Cubical space in the workshops was found to be quite ample, and ventilation, especially in the workshops connected with the Chain and Nail making, was found to be sufficient, as none of them have glazed windows, which allows a free current of air to pass through them. With regard to Sanitary conveniences in Factories and Work-shops, sufficient and suitable accommodation has been found, and is steadily and satisfactorily enforced.

Practically every work-shop and Factory in the district is supplied with a public supply of water, which has been proved repeatedly upon analysis to be a potable water.

There have been 1,700 Factories and workshops inspected, and upon first inspection 1,236 were found to be in a dirty condition 464 were found in a cleanly condition, in 322 cases the work-shops were used for the keeping of animals, and in many cases the occupiers had not an abstract in their possession; in all the last mentioned cases the workshops were notified to H. M. Inspector of Factories for the district, and have since been supplied. Since the first visit 788 work-shops have been re-visited, of these, 457 have been lime-washed, and from 125, the animals have been removed, and there is every reason to believe that it will not be necessary to take any legal proceedings in but very few cases. The Council have had hand bills printed and circulated throughout the district, calling attention to the provisions of the Act which apparently have had the desired effect, and although at first there seemed some reluctance on the part of the occupiers to comply with the necessary requirements, I am pleased to report that there seems now to be very little hesitation to carry out the prescribed orders."

One thousand seven hundred workshops have been registered the bulk of them consisting of the Chain and Nail making types and those included under the Domestic Factories heading.

Sanitation.—Three hundred and fifty notices have been served and complied with, in cases where the sanitary conveniences were found to be inadequate or required converting into water closets.

Air-spaces.—Sufficient in all cases visited.

Ventilation.—As all the Chain and Nail shops and most of the Ironware factories have unglazed windows, the ventilation is ample and is controlled by means of wooden shutters.

Drainage of Wet floors.—This occurs chiefly in Nut and Bolt factories, and up to the present has not called for any interference on our part.

I may add that only one request has been received from the Government Factory Inspector to remedy sanitary defects The one complained of was a Factory at Tividale, viz:—The Hange Brick Works, having inadequate closet accommodation. This defect was remedied on request.

Bake-houses.—About one hundred and fifty have been visited, eleven of them being wholesale bake-houses, all of which are in good order, and comply with the provisions of the Act. The others are retail bake-houses and are connected with small shops. The oven is generally in the back part of the house, and as far as closets, Water-supply, lime-washing, Sleeping-places, and Floor levels, comply with the requirements of the Act. There are no underground bake-houses in the District, neither do any of them use mechanical power.

Safety from Fire.—All new plans of Workshops must show adequate means of exit in case of fire.

Out-workers.—This list is at present very incomplete. The chief difficulty is caused by the inability of employers to supply the requisite returns, as great confusion exists amongst them as to the exact meaning of the Act. This state of things will doubtless be remedied as the requirements of the Act become better known.

Closet Accommodation.—The provision of separate Water-Closets for each sex has not been rigidly enforced in cases of domestic work-shops occupied by one family.

Abstract of the Act.—A large proportion of the work-shops first inspected were found to be without the necessary abstract. These cases have been notified to the District Inspector of Factories, and have since been supplied.

The most attention has been devoted to the sanitary condition of the domestic factories and workshops, but in a district of this size where such a vast number of dwelling-houses are constituted domestic workshops, and where such a quantity of fresh work is added on to the previous work, and is so new to both officials and people, much more than a general inspection of the district, and registration of the Factories and Workshops has been impossible.

The Abolition of the custom of keeping domestic animals etc., in workshops, has not been accomplished without considerable opposition, but I am pleased to say that up to the present we have not had occasion to resort to legal proceedings to enforce these or any of our demands.

A most pleasing feature is the improvement in the appearance, cleanliness, and general sanitary condition of thework-shops throughout the district.

(Signed), J. G. BEASLEY,
Medical Officer of Health.

Vaccination.

PARISH OF ROWLEY REGIS.

	Total number of Births	1307

VACCINATION RETURNS for the year ending December 31st. 1902.

No. 1.	District	Successfully Vaccinated by	Public Vaccinator	214
		,, ,,	Private Practitioner	133
No. 2.	,,	,, ,,	Public Vaccinator	32
		,, ,,	Private Practitioners	437
		Insusceptible of Vaccination	...	9
		Certificates of Conscientious objection	...	1
		Dead Unvaccinated	.. ...	97
		Postponed by Medical Certificates	...	25
		Removed no address	... ...	17
		*Not Vaccinated	... ...	342
				1307

* The majority of these cases are not yet liable to vaccination. This statement is supplied by Mr. L. B. Allen, Vaccination [Officer.

The practice of vaccination so as to produce only one small vesicle is still carried out very extensively, with the result that a considerable number of children are annually foisted on the parish as adequately vaccinated when in reality the protection they have obtained is so slight as to be little if any immunity against Small Pox.

In conclusion I again cordially thank all the officers of the Council and of the Parish who have assisted me by furnishing information for this report, especially Mr. D. Wright. Mr. Brettle, Mr. Barnsley, and Messrs. J. & T. Williams, also Dr. Hadley of the Guett Hospital, Dudley.

I append the schedule of work done in the Surveyor's and the Sanitary Inspector's departments, also the Sanitary Inspector's Report.

I have the honour to remain, Gentlemen,

Yours obediently,

J. G. BEASLEY,

Medical Officer of Health to the Rowley Regis Urban District Council.

INSPECTOR'S ANNUAL REPORT 1902.

Total Inspections made	24,613
Nuisances Abated	173
Ashpits Emptied	10.140
Closets Emptied	10,971
Loads of refuse from the above Closets and Ashpits	24.896
Houses disinfected	237
Houses limewashed	174
Persons supplied with disinfectants	468
Slaughter-houses limewashed	40
Ashpits covered in	61
Closets built	33
Closets repaired	9
Closets removed	45
Ashpits repaired	37
Cowsheds inspected	78
Dairies and Milkshops	78
Canal Boats	113
Wells condemned	1
Workshops cleansed	697
Factories and Workshops inspected	1698

ELIJAH T. BARNSLEY,

February 6th, 1903. Inspector of Nuisances.

Rowley Regis Urban District Council.

Pipes laid by Roadmen during the Year 1902.

20	yards of	6in.	pipes	at	Tadpole Hole
23	,,	9in.	,,	,,	Perry's Lake
15	,,	9in.	,,	,,	Wright's Lane
5	,,	9in.	,,	,,	Halesowen Road
20	,,	5in.	,,	,,	Tividale
20	,,	5in.	,,	,,	Lawrence Lane
15	,,	6in.	,,	,,	Cradley Road
20	,,	6in.	,,	,,	Corngreaves Road
21	,,	6in.	,,	,,	Darby's Hill
20	,,	6in.	,,	,,	Tadpole Hole
79	,,	9in.	,,	,,	Plant Street
5	,,	6in.	,,	,,	Birmingham Road
5	,,	6in.	,,	,,	Powke Lane.
268	,, Total.				

Kerbing and Channelling laid during the Year 1902.

JANUARY	23	yards	in	Station Road
FEBRUARY	50	,,	,,	Tipton Road
MARCH	126	,,	,,	Tipton Road
APRIL	56	,,	,,	Gorsty Hill.
	28	,,	,,	Pig Lane
	18	,,	,,	Tividale Road
	7	,,	,,	Tipton Road
	40	,,	,,	Ross
MAY	172	,,	,,	Ross
	30	,,	,,	Old Hill
JUNE	50	,,	,,	Old Hill
	83	,,	,,	Cradley Heath
	7	,,	,,	Blackheath
JULY	68	,,	,,	Reddal Hill
	75	,,	,,	Corngreaves Road

	30	yds. at Cradley Heath
	9	,, ,, Plant Street
	20	,, ,, Brook Lane
AUGUST	22	,, ,, Brook Lane
	18	,, ,, Old Hill
	23	,, ,, Halesowen Road
	20	,, ,, Queen Street, Old Hill
	58	,, ,, Church Street do.
	16	,, ,, Corngreaves Road
	64	,, ,, Oldbury Road
SEPTEMBER	120	,, ,, Oldbury Road
	64	,, ,, Cherry Orchard
OCTOBER	292	,, ,, Cherry Orchard
NOVEMBER	32	,, ,, Old Hill
	42	,, ,, Tump Road
	14	,, ,, Darby Street
	19	,, ,, Bell End
DECEMBER	17	,, ,, Bell End
	16	,, ,, Dog Lane
	18	,, ,, Garratts Lane
	1747	,, Total

List of Ditches cleaned out by Roadmen during the Year 1902.

JANUARY	32	yards at Beauty Bank
MAY	202	,, ,, Hayseech
JUNE	94	,, ,, Siviter's Lane
	66	,, ,, Gipsy Lane
	22	,, ,, Ross
JULY	1302	,, ,, Oakham Road
	32	,, ,, Beauty Bank
SEPTEMBER	82	,, ,, Oldbury Road
	41	,, ,, Yewtree Lane
	575	,, ,, Darbys Hill

NOVEMBER	640	yds. at Throne Road
DECEMBER	32	,, ,, Beauty Bank
	3120	,, Total

The following houses have been supplied with S.S. W.W.Co's. Water during the year 1902.

January	0
February	11
March	9
April	2
May	4
June	20
July	3
August	4
September	5
October	7
November	1
December	12
Total	78

STAFFORDSHIRE COUNTY COUNCIL.

SUMMARY OF SANITARY WORK done in the Nuisance Inspector's Department during the year 1902, in the Urban District of Rowley Regis.

		Inspections and Observations made.	Formal Notices by Authority.	Nuisances abated after Notice.
Dwelling-houses and Schools	Foul Conditions	172	42	42
	Structural Defects	0	0	0
	Overcrowding	9	9	9
	Unfit for Habitation	5	5	5
	Lodging-houses	0	0	0
	Dairies and Milkshops ...	86	0	0
	Cowsheds	86	1	1
	Bakehouses	106	0	0
	Slaughter-houses	79	0	0
	Canal Boats	113	9	9
	Ashpits and Privies	21710		
	Deposits of Refuse and Manure ...	2	2	2
	Water Closets	1278	70	70
House drainage	Defective Traps opened without notice	301	0	0
	No Disconnection	2	2	2
	Other Faults abated without notice	526		
	Water Supply	3	3	3
	Pigsties	130	25	25
	Animals improperly kept ...	5	5	5
	Offensive Trades	0	0	0
	Smoke Nuisances	0	0	0
	Other Nuisances	0	0	0
	Totals ...	24613	173	173

	Nos.
Seizures of Unwholesome Food	0
Samples of Food taken for Analysis	0
,, ,, ,, found Adulterated	0
Samples of Water taken for Analysis	1
,, ,, ,, condemned as unfit for us ...	1

Precautions againt Infectious Disease.

Lots of Infected Bedding Disinfected or Destroyed ...	521
Houses Disinfected after Infectious Disease	237
Schools ditto ditto	1
Prosecutions for not Notifying Existence of Infectious Disease	0
Convictions ditto ditto	0
Prosecutions for Exposure of Infected Persons or things	0
Convictions ditto ditto	0

NOTE.—When an Inspection or Notice embraces more than one defect, it may be enumerated separately as regards each such defect.

Signed, **E. T. BARNSLEY,**
Inspector of Nuisances.

February 3rd, 1903.